

ABSTRACT

It is possible to obtain preferable recording characteristic and reproduction characteristic by considering irregularities of unique characteristics of an LD or the like mounted on an information recording and reproduction apparatus as well as characteristics of an optical disc used. In the information recording and reproduction apparatus, a light source such as a laser diode is driven by a laser drive signal so that a laser beam for recording or reproduction is emitted from the light source. Moreover, the laser drive signal is superimposed by a high-frequency signal of a predetermined frequency so as to eliminate effect of the return light from the optical disc. The information recording and reproduction apparatus superimposes the high-frequency signal by using a high-frequency signal level during recording which is different from a high-frequency signal level during reproduction.